

Wei Zhang

314 Hutcheson Hall
Blacksburg, VA 24061

Cell: 530-219-8472
Email: wzb@vt.edu

PROFESSIONAL POSITIONS

Assistant Professor, Department of Agricultural and Applied Economics, Virginia Tech (2019–present)

Assistant Professor, Department of Economics, Connecticut College (2014–2019)

Visiting Scholar, Department of Agricultural and Resource Economics, University of Connecticut (2018)

Post-doctoral Researcher, University of California Agricultural Issues Center (2013–2014)

EDUCATION

- Ph.D., University of California**, Davis 2013
Department of Agricultural and Resource Economics
Dissertation: Effects of Environmental Policies on the Dairy Industry in California
- M.S., University of Massachusetts**, Amherst 2008
Department of Resource Economics
Thesis: Bankruptcy Risk and the Performance of Incentive-Based Environmental Policies
- B.S., Nankai University**, China 2005
Majors: Economics and Environmental Sciences

PEER-REVIEWED PUBLICATIONS

1. Liu, Pengfei, Yu Wang, and **Wei Zhang**. 2022. The Influence of the Environmental Quality Incentives Program on Local Water Quality. *forthcoming, American Journal of Agricultural Economics*.
2. **Zhang, Wei**. 2022. Economic Analysis of the Environmental Sustainability of Agriculture: Recent Studies using Quasi-Experimental Methods. *in print, China Agricultural Economic Review* doi.org/10.1108/CAER-08-2021-0164.
3. **Zhang, Wei**. 2021. California's Climate Policy and the Dairy Manufacturing Industry: How Does a Federal Milk Marketing Order Matter? *Journal of Agricultural and Resource Economics*, 46(3):401-424.
4. Bovay, John and **Wei Zhang**. 2020 A Century of Profligacy? The Measurement and Evolution of Food Waste. *Agricultural and Resource Economics Review*, 49(3): 375-409. doi.org/10.1017/age.2019.16.
5. **Zhang, Wei**. 2018. Costs of A Practice-Based Air Quality Regulation: Dairy Farms in the San Joaquin Valley. *American Journal of Agricultural Economics*, 100(3): 762–785.
6. **Zhang, Wei** and Julian M. Alston. 2018. The Demand for Inputs and Technical Change in the U.S. Dairy Manufacturing Industry. *Agricultural and Resource Economics Review*, 47(3): 533–567.
7. **Zhang, Wei**, C.-Y. Cynthia Lin Lawell, and Victoria I. Umanskaya. 2017. The Effects of License Plate-Based Driving Restrictions on Air Quality: Theory and Empirical Evidence. *Journal of Environmental Economics and Management*, 82: 181–220.
8. **Zhang, Wei** and C.-Y. Cynthia Lin Lawell. 2017. Market Power in Nonrenewable Resource Markets: An Empirical Dynamic Model. *Land Economics*, 93 (1): 74–86.
9. Stranlund, John and **Wei Zhang**. 2009. Bankruptcy Risk, Limited Liability and Imperfectly Enforced Emissions Taxes. *Economics Bulletin*, 29(4): 3134–3146.

10. Stranlund, John and **Wei Zhang**. 2008. Bankruptcy Risk and the Performance of Tradable Permit Markets. *Economics Bulletin*, 17(9): 1–9.

WORKING PAPERS & WORK IN PROGRESS

1. Too Smoggy for Kids to Go to School? Air Quality and Preschool Enrollments in Chinese Cities (*R&R at JAAEA*)
2. By How Much Did Zimbabweans Benefit from the 1980 Education Reform: Evidence Based on Household Consumption, with Zeya Zhang and Jeffrey Alwang (*under review at Education Economics*)
3. Effects of Short-Term Exposure to Air Pollution on Cognitive Performance: Evidence from College English Tests in China, with Zhenyu Yao, Xinde Ji, and Weizhe Weng (*under review Environmental and Resource Economics*)
4. Impacts of Energy Price and Ethanol Demand Shocks on U.S. Agriculture: A Partial Equilibrium Approach, with Darrell Bosch and Chenyang Hu (*working paper*)
5. Nature Reserves and Households in Rural China: Migration, Income and Labor Supply, with Yuanyuan Wen (*working paper*)
6. Climate Change and Agricultural Total Factor Productivity Growth, with Jean-Paul Chavas (*in progress*)

OTHER PUBLICATIONS

1. Lin, C.-Y. Cynthia, **Wei Zhang**, Omid Rouhani, and Lea Prince. 2009. The Implications of An E10 Ethanol-Blend Policy for California. *Agricultural and Resource Economics Update*, 13 (2), 1-4.

GRANTS AND SCHOLARSHIPS

1. Co-PI, “On-Farm Loss and Waste of Vegetables: Measurement, Drivers, and Welfare Implications.” (\$633,551; \$253,420 for Zhang) with John Bovay (PI) and Ford Ramsey, NIFA-AFRI Foundational Program. January 2022–December 2025.
2. GAP Initiative Faculty Research Fellowship, (\$20,000). Virginia Tech CALS Global, 2021–2022.
3. PI, “Public Costs of Practice-Based Agricultural Conservation: Insights from the Environmental Quality Incentives Program”, (\$30,000 with Darrell Bosch, Zachary Easton, and Yang Shao). Virginia Tech ISCE Scholars Program, 2020–2021.
4. Co-PI, “Accounting for Biological Capital in Indexes of Agricultural Inputs and Productivity: Concepts, Measures and Application to Agriculture in California and Minnesota”, (\$499,985 with Julian M. Alston (PI); \$215,272 for Zhang). NIFA-AFRI Foundational Program, April 2018–March 2022 (extended to 2023).
5. Judith Tindal Opatrny ’72 Connecticut College Summer Research Stipend (\$4,325) 2016 & 2017.
6. “Agri-environmental Incentives and the Waste Management Practices of Dairy Farms in California”, (\$13,500 with Daniel A. Sumner). Giannini Foundation Research Mini-Grant, 2013-2014.
7. “California’s Air Quality Regulations on Dairies: Multiple Environmental Externalities and Interactions of Regulations”, (\$25,000 with Julian M. Alston). Giannini Foundation Research Mini-Grant, 2012-2013.
8. “Economic Impacts of California’s Greenhouse Gas Cap-and-Trade Program on Dairy Industry”, (\$25,000 with Julian M. Alston). Giannini Foundation Research Mini-Grant, 2011-2012.
9. Henry A. Jastro Research Scholarship, 2011-2013, \$3,000 (total)
10. Outstanding Undergraduate Scholarship for Top 10% Ranking, Nankai University, 2002-2005.

TEACHING EXPERIENCE

Virginia Tech

- AAEC 3324: Environment and Sustainable Development Economics. Spring 2020; Fall 2021.
- AAEC 6554: Panel Data Econometrics. Fall 2020, 2021.
- AAEC 6524: Environmental Economic Theory and Policy Analysis. Spring 2021.

Connecticut College

- ECO/ES 212: Environmental Economics. Fall 2014–2017, Spring 2015
- ECO 230: Econometrics I. Spring 2015–2016, Fall 2016–2017
- ECO 205: Intermediate Microeconomics. Fall 2015
- ECO 404: Seminar in Environmental and Natural Resource Economics, Spring 2016

University of California, Davis

Instructor, Department of Agricultural & Resource Economics, Summer 2012

- ARE 106: Econometric Theory and Applications

Teaching Assistant, Department of Agricultural & Resource Economics

- ARE 240B: Econometric Methods, Spring 2012 (Ph.D. Core Course)
- ARE 106: Econometric Theory and Applications, Summer 2009
- ARE 171B: Financial Management of the Firm, Spring 2009
- ARE 115A: Economic Development, Winter 2009

University of Massachusetts, Amherst

Teaching Assistant, Department of Resource Economics

- RESECON 262: Environmental Economics, Fall 2007
- RESECON 212: Introductory Statistics, Spring 2006
- RESECON 263: Natural Resource Economics, Fall 2005

ADVISING

Virginia Tech

- Master's Thesis: Kristen Swedberg '20, Yuanyuan Wen '21 (chair)
- Ph.D. Dissertation: Zeya Zhang '20, Zhenyu Yao, Chenyang (Nate) Hu (co-chair)

Connecticut College

- Honors Thesis: Maruge Zhao '17, Allison Rand '16, Niall Williams '16
- Senior Integrative Projects: Julia Serafin '17, Cian Fields '16, Alyson Cheney '16, Sydney Krisanda '19

CONFERENCES, WORKSHOPS, AND SEMINARS

1. Darrell Bosch, Wei Zhang, and Chenyang Hu (presenter). "Impacts of Energy Price and Ethanol Demand Shocks on U.S. Agriculture: A Partial Equilibrium Approach" Paper presented at the Southern Agricultural Economics Association (SAEA), 54th Annual Meeting, New Orleans, Louisiana, February 12–15, 2022
2. Darrell Bosch, Wei Zhang, and Chenyang Hu (presenter). "Impact of Energy Shocks on U.S. Agriculture: the REAP Model Approach." Paper presented at the Agricultural and Applied Economics Association (AAEA), 2021 AAEA & WAEA Joint Annual Meeting, Austin, Texas, August 1–3, 2021

3. Yuanyuan Wen (presenter) and Wei Zhang. “Nature Reserves and Households in Rural China: Migration, Income and Labor Supply.” Poster presented at the Agricultural and Applied Economics Association (AAEA), 2021 AAEA & WAEA Joint Annual Meeting, Austin, Texas, August 1–3, 2021
4. **Seminar**, Virginia Tech, Department of Agricultural and Applied Economics, February 2019
5. **Seminar**, University of Connecticut, Department of Agricultural and Resource Economics, October 2018
6. **Selected Presentation**, Northeastern Agricultural and Resource Economics Association (NAREA), 2018 Annual Meeting, Philadelphia, Pennsylvania, June 9–12, 2018
7. **Selected Presentation**, Association of Environmental and Resource Economists (AERE), 5th Annual Summer Conference, Breckenridge, Colorado, June 9–11, 2016
8. CeMENT: Committee on the Status of Women in the Economics Profession of the American Economic Association (CSWEP) Mentoring Workshops, New Orleans, Louisiana, November 19–20, 2015
9. **Selected Presentation**, Agricultural and Applied Economics Association (AAEA), 2015 AAEA & WAEA Joint Annual Meeting, San Francisco, California, July 26–28, 2015
10. **Selected Presentation**, Association of Environmental and Resource Economists (AERE), 4th Annual Summer Conference, San Diego, California, June 3–5, 2015
11. National Bureau of Economic Research, Women in Undergraduate Economics Meeting, Cambridge, Massachusetts, May 2, 2015
12. **Seminar**, University of Illinois Urbana-Champaign, Department of Agricultural and Consumer Economics, January 2014
13. **Seminar**, Kansas State University, Department of Agricultural Economics, November 2013
14. **Selected Presentation**, Occasional California Workshop in Environmental and Resource Economics, Santa Barbara, California, September 12–13, 2013
15. **Selected Presentation**, Agricultural and Applied Economics Association (AAEA), 2013 AAEA & CAES Joint Annual Meeting, Washington, DC, August 4–6, 2013
16. **Selected Presentation**, Association of Environmental and Resource Economists (AERE), 2nd Annual Summer Conference, Asheville, North Carolina, June 3–5, 2012
17. **Selected Presentation**, Western Economic Association International (WEAI), 87th Annual Conference, San Francisco, California, June 29–July 3, 2012
18. University of California Center for Energy and Environmental Economics (UCE³) 1st Annual Summer School, UC Berkeley, August 15–19, 2011
19. **Selected Presentation**, Agricultural and Applied Economics Association (AAEA), 2011 AAEA & NAREA Joint Annual Meeting, Pittsburgh, Pennsylvania, July 24–26, 2011
20. 2nd Annual All-UC Conference in Energy and Environmental Economics, Berkeley, California, June 17, 2011
21. **Selected Presentation**, Association of Environmental and Resource Economists (AERE), Inaugural Summer Conference, Seattle, Washington, June 9–10, 2011
22. 12th Occasional California Workshop on Environmental and Resource Economics, Santa Barbara, California, November 12–13, 2010
23. Fourth World Congress of Environmental and Resource Economists, Montreal, Canada, June 28–July 2, 2010
24. Summer Workshop of the Association of Environmental and Resource Economists (AERE), Berkeley, California, June 21–23, 2008

SELECTED SERVICE

Virginia Tech

- Faculty Panel InspirASIAN series, March 2022
- Committee on Research and Extension Program Policy, College of Agricultural and Life Sciences, (2021–)
- Graduate Program Committee (2019–)
- Search Committee, AAEC

Connecticut College

- Faculty Advisor, Environmental Studies Program (2014–2019)
- Faculty Fellow, Goodwin-Niering Center for the Environment at Connecticut College (2014–2019)
- Search Committee for Assistant Professor, Department of Economics (2017)
- Search Committee for Assistant Professor, Environmental Studies Program (2016)

Professional

- *Journal of Agricultural and Applied Economics* Editorial Council (2021–2023)
- Northeastern Agricultural and Resource Economics Association (NAREA) Outstanding Master's Thesis Committee (2019–2021)
- Conference Abstracts Review: Agricultural and Applied Economics Association Annual Meeting 2021, 2022
- Referee: *Journal of Environmental Economics and Management*, *American Journal of Agricultural Economics*, *China Economic Review*, *China Agricultural Economic Review*, *Environmental and Resource Economics*, *Frontiers in Ecology and the Environment*, *Journal of Regional Science*

Communities

- Vestry, St. Mark's Chapel, Storrs, CT (2019)

PROFESSIONAL MEMBERSHIPS

- American Economic Association, Member since 2015
- Agricultural and Applied Economics Association, Member since 2006
- Association of Environmental and Resource Economists, Member since 2006